

**DIPLOMA PROGRAM**

**ENVIRONMENTAL  
TECHNOLOGY**

**2014-2015**

## STUDY PLAN FOR DIPLOMA IN ENVIRONMENTAL TECHNOLOGY

<b>UNIVERSITY OF NIZWA</b>									
<b>Diploma in Environmental Technology</b>									
C – Credit Hours, L –Credit Lecture, P – Credits Practical									
<b>Fall Semester</b>					<b>Spring Semester</b>				
<b>CODE</b>	<b>COURSE</b>	<b>C</b>	<b>L</b>	<b>P</b>	<b>CODE</b>	<b>COURSE</b>	<b>C</b>	<b>L</b>	<b>P</b>
<b>Year 1</b>									
CHEM107	Fundamentals of Chemistry	4	3	1	MATH211	Calculus I	4	3	1
MATH116	Pre-Calculus	4	3	1	ARAB101	Arabic Language-II	3	3	0
ENGL150	English Language I	3	3	0	ENGL152	English Language II	3	3	0
ARAB100	Arabic Language I	3	3	0	PHYS101	General Physics-I	4	3	1
ENGN103	Engineering Drawing	2	1	1	ENGN101	Introduction to Engineering	2	2	0
		<b>16</b>	<b>13</b>	<b>3</b>			<b>16</b>	<b>14</b>	<b>2</b>
<b>CODE</b>	<b>COURSE</b>	<b>C</b>	<b>L</b>	<b>P</b>	<b>CODE</b>	<b>COURSE</b>	<b>C</b>	<b>L</b>	<b>P</b>
<b>Year 2</b>									
CIVL211	Statics	3	3	0	CIVL221	Solid Mechanics	3	3	0
CIVL214	Geomatic Engineering	3	2	1	CIVL212	Civil Engineering Materials	3	2	1
ENGL155	Communication Skill	3	3	0	CIVL215	Civil Engineering Drawing	2	0	2
COMP101	Computer Skills	3	2	1	CIVL213	Fluid Engineering Mechanics	3	2	1
MATH212	Calculus II	3	2	1	CIVL241	Environmental Engineering	3	3	0
		<b>15</b>	<b>12</b>	<b>3</b>			<b>14</b>	<b>10</b>	<b>4</b>
<b>Year 3</b>									
HIST150	Islamic Civilization	3	3	0	CIVL332	Geotechnical Engineering-I	4	3	1
ENVE411	Energy and Environment	3	3	0	ENVE412	Fundamentals of Air pollution	3	3	0
CIVL342	Hydrology and Hydraulics	3	3	0	ENVE413	Environmental law and Regulations	3	3	0
BIOL101	Biology I	4	3	1	CIVL441	Water and wastewater Engineering	3	2	1
					ENVE414	Health, safety and Environment in industries	2	2	0
		<b>13</b>	<b>12</b>	<b>1</b>			<b>15</b>	<b>13</b>	<b>2</b>
					<b>Total No. of Credits</b>			<b>89</b>	

### Curriculum for Diploma in Environmental Technology

**Minimum Number of Credits for Graduation in this degree plan = 89**

No.	Course Code	Course	Credit	Pre-requisite
<b>University Requirements = 21 Credits</b>				
1	ARAB100	Arabic Language I	3(3+0)	None
2	ARAB101	Arabic Language II	3(3+0)	ARAB100
3	COMP101/L	Computer Skill	3(2+1)	Comp-A, Comp-B (Digital literacy)
4	ENGL150	English Language I	3(3+0)	None
5	ENGL152	English Language II	3(3+0)	ENGL150
6	ENGL155	Communication Skill	3(3+0)	ENGL152
7	HIST150	Islamic Civilization	3(3+0)	None
<b>College Requirements = 12 Credits</b>				
2	ENGN101	Introduction to Engineering	2(2+0)	MATH116
3	ENGN103	Engineering Drawing	2(1+1)	None
5	MATH116	Pre Calculus	4(3+1)	None
6	MATH211	Calculus I	4(3+1)	MATH116
<b>Department Requirement: Core Courses = 56 Credits</b>				
No.	Code	Course	Credit	Pre-Requisite
1.	MATH212	Calculus II	3(2+1)	MATH211
2.	CHEM107/L	Fundamentals of Chemistry	4(3+1)	None
3.	PHYS101/L	General Physics- I	4(3+1)	MATH116
4.	CIVL211	Statics	3(3+0)	PHYS101/L
5.	CIVL212	Civil Engineering Materials	3(2+1)	CHEM107 /L,CIVL211
6.	CIVL214	Geomatic Engineering	3(2+1)	ENGN101,MATH211
7.	CIVL215	Civil Engineering Drawing	2(0+2)	ENGN103

8.	CIVL221	Solid Mechanics	3(3+0)	CIVL211,CIVL212
9.	CIVL332	Geotechnical Engineering- I	4(3+1)	CIVL221+MATH212
10.	CIVL213	Fluid Engineering Mechanics	3(2+1)	MATH211,CIVL211
11.	CIVL241	Environmental Engineering	3(3+0)	CHEM107/L,PHYS101/L
12.	CIVL342	Hydrology & Hydraulics	3(3+0)	CIVL213+MATH212
13.	CIVL441	Water and Wastewater Engineering	3(2+1)	CIVL241
14.	ENVE411	Energy and Environment	3(3+0)	CIVL241
15.	ENVE412	Fundamental of Air Pollution Engineering	3(3+0)	CIVL241
16.	ENVE413	Environmental Law & Regulations	3(3+0)	CIVL241,ENVE411
17.	BIOL101	Biology-I	4(3+1)	None
18.	ENVE414	Health, safety and Environment in industries	2(2+0)	CIVL241